

S257333



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K8A 1K7  
Canada

POSITIVE RECALL

Tel (613) 632-5200

Fax 613 632-5200

EFFECTIVE DATE AUTH

BASED 9 DATE 10-02-21

0.83

**D5795-3**  
**Job Sheet 206992**



Part No: D5795-3

Job Qty: 6 pcs

ok to release as per ECU 20-521  
part make to Rev A

Part Name: Back Rim



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/14/20

Job Tracking No:

Due Date: 3/13/20

Created By: Linda Lacelle

Type: Stock

Description:

Note: DWG 5795 REV.A8 IPP REV:A NEW ISSUE 20.31.01 JV VERF:DD

Ship Via:

## Bill of Materials

## Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Large Fab - Basket - 1	6 pcs	3/13/20		0.00	1.20	Large Fab - 1		
							Large Fab - 10		
							Large Fab - 2		
							Large Fab - 3		
							Large Fab - 4		
							Large Fab - 5		
							Large Fab - 6		
							Large Fab - 7		
							Large Fab - 8		
							Large Fab - 9		
							Large Fab - 11 (Various)		
							Large Fab - 12		
110	QC 5	6 pcs	3/13/20		0.00	0.00	QC 5 - 10		
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
							QC 5 - 40		
							QC 5 - 61		
							QC 5 - 81		



Container No: S257333



Part: D5795-3

Job No: 206992

Serial No/Batch: S257333

Revision: REV.A

Inspector:

Exp Date:

Instructions:

Date: 02/26/20

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K8A 1K7  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

DAS

9 10-02-21

9-89

120 Packaging 3-1 - Stock - B4B 6 pcs

3/13/20

0.00 0.00

Packaging 3 - 1 - B4B

Packaging 3 - 2 - B4B

Packaging 3 - 3 - B4B

Packaging 3 - 4 - B4B

Packaging 3 - 5 - B4B

Packaging 3 - 6 - B4B

Packaging 3 - 7 - B4B

Packaging 3 - 8 - B4B

Packaging 3 - 9 - B4B

Packaging 3 - 10 - B4B

Packaging 3 - 11 - B4B

Packaging 3 - 12 - B4B

Packaging 3 - 13 - B4B

Packaging 3 - 14 - B4B

Packaging 3 - 15 - B4B

Packaging 3 - 16 - B4B

Packaging 3 - 17 - B4B

Packaging 3 - 18 - B4B

Packaging 3 - 19 - B4B

Packaging 3 - 20 - B4B

Packaging 3 - 21 - B4B

Packaging 3 - 22 - B4B

Packaging 3 - 23 - B4B

Packaging 3 - 24 - B4B

Packaging 3 - 25 - B4B

Packaging 3 - 26 - B4B

Packaging 3 - 27 - B4B

Packaging 3 - 28 - B4B

Packaging 3 - 29 - B4B

Packaging 3 - 30 - B4B

Packaging 3 - 31 - B4B

Packaging 3 - 32 - B4B

Packaging 3 - 33 - B4B

Packaging 3 - 34 - B4B

Packaging 3 - 35 - B4B

Packaging 3 - 36 - B4B

Packaging 3 - 37 - B4B

M4C

130 QC 21 - SA

6 pcs

3/13/20

0.00 0.00

QC 21 - SA - 21

QC 21 - SA - 70

QC 21 - SA - 53

34  
21  
20

FEB 25 2020

Part Op 100 - 1- Cut and drill rib as per dwg 2- Deburr

Descriptions: 110 - QC5- Inspect part completeness to step on W/O

120 - Identify as per dwg & Stock Location: *M4004*

130 - QC21- Final Inspection - Work Order Release

## Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M4130NTS0.750W.035	4130 Square Tube 0.750 X 0.035W	28.6746 ft (4.7791 ea)	100-Large Fab - Basket - 1	<i>5250794</i>

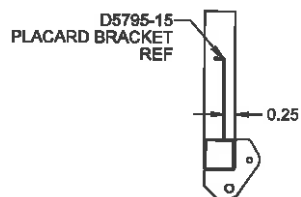
## Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Large Fab - Basket - 1	M4130NTS0.750W.035	29	609	0

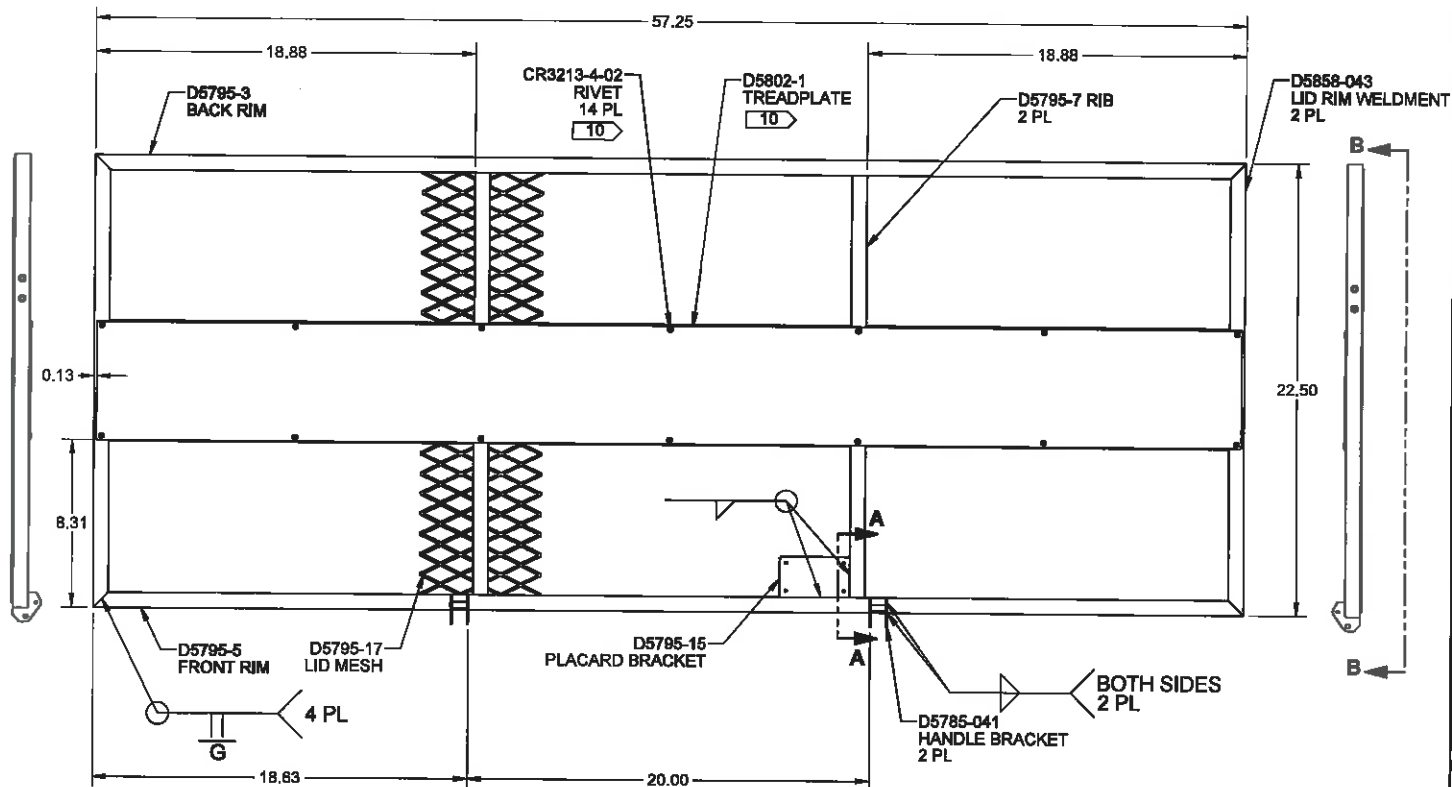
## Part Specifications

Specifications could not be found.

QTY -041	P/N	DESCRIPTION
X	D5795-041	SHORT LID ASSY
2	D5785-041	HANDLE BRACKET
1	D5795-3	BACK RIM
1	D5795-5	FRONT RIM
2	D5795-7	RIB
2	D5795-11	STRINGER
4	D5795-13	STRINGER
1	D5795-15	PLACARD BRACKET
1	D5795-17	LID MESH
1	D5802-1	TREADPLATE
2	D5853-045	LID RIM WELDMENT
14	CR3213-4-02	RIVET



**SECTION A-A**  
SCALE 2X



**D5795-041 SHORT LID ASSY**  
(DERIVED FROM AERO DESIGN P/N 77612-01)  
(MESH SHOWN LOCALLY FOR CLARITY)

PRELIMINARY ISSUE

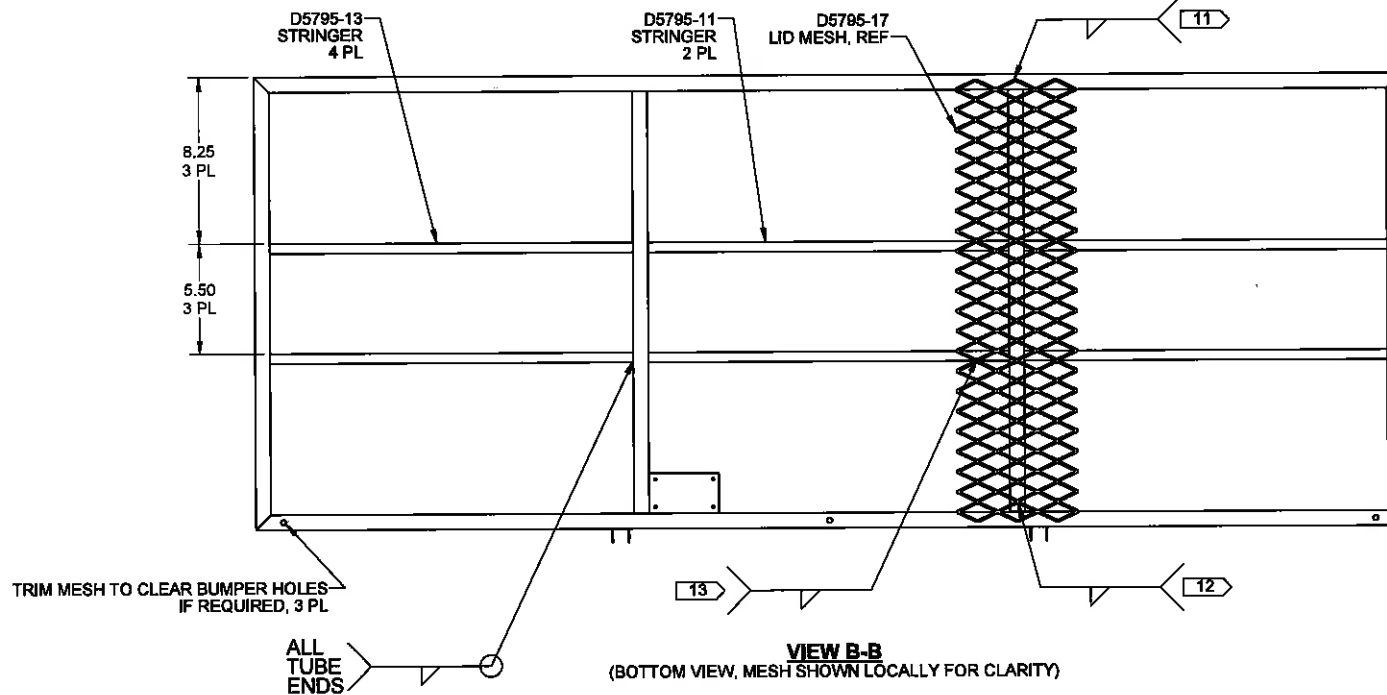
**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "WHITE" (4.3.5.1) PER DART QSI 005 4.3.
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5795-041" AND SERIAL NUMBER PER DART QSI 044 6.6
- 7) WEIGHT: 14.15 lbs
- 8) WELD PER DART QSI 004
- 9) DRILL #30 (Ø0.129) VENT HOLES AS REQUIRED. FILL ALL EXPOSED VENT HOLES WITH ROSETTE WELD PRIOR TO FINISH.
- 10) INSTALL TREADPLATE AFTER FINISH. TRANSFER MARK AND DRILL HOLES Ø0.129/0.132 FROM TREADPLATE TO LID. FAY SEAL TO SURFACES BETWEEN LID AND TREADPLATE WITH RTV SILICONE. SECURE TREADPLATE WITH RIVETS.
- 11) WELD EVERY MESH INTERSECTION ALONG RIM.
- 12) FOR EACH RIB, WELD FIRST 5 MESH INTERSECTIONS DOWN EACH END THEN EVERY 2ND MESH INTERSECTION.
- 13) FOR EACH STRINGER, WELD EVERY 2ND MESH INTERSECTION.

PRELIMINARY ISSUE

REV.	NEW ISSUE	DESCRIPTION	ZF	20.01.15
DESIGN	ZF			
DRAWN	ZF			
CHECKED	KPT	DRAWING NO.		
MFG. APPR.	DD	D5795		
DE APPR.		TITLE		
DATE	20.01.15	SHORT LID ASSY		

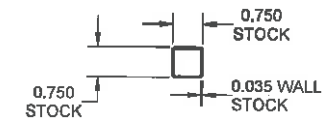
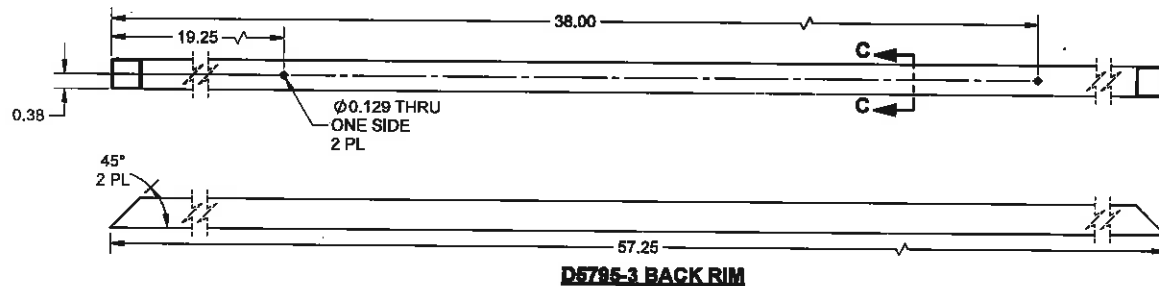
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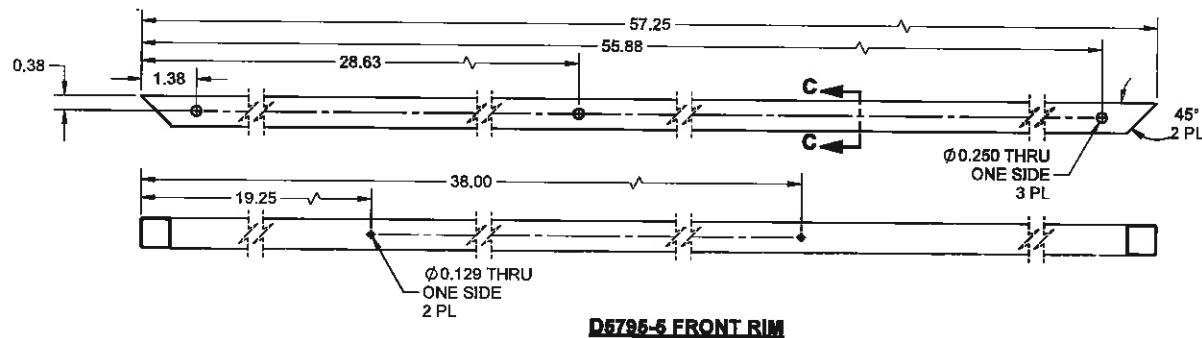
PRELIMINARY ISSUE

PRELIMINARY ISSUE

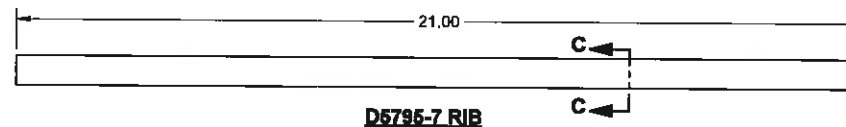
DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	KPT	DRAWING NO. <b>D5795</b>	REV. A6
MFG. APPR.	DD	TITLE <b>SHORT LID ASSY</b>	SHEET 2 OF 6
APPROVED			SCALE NTS
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DATE	20.01.15		



**SECTION C-C**



**D5795-5 FRONT RIM**

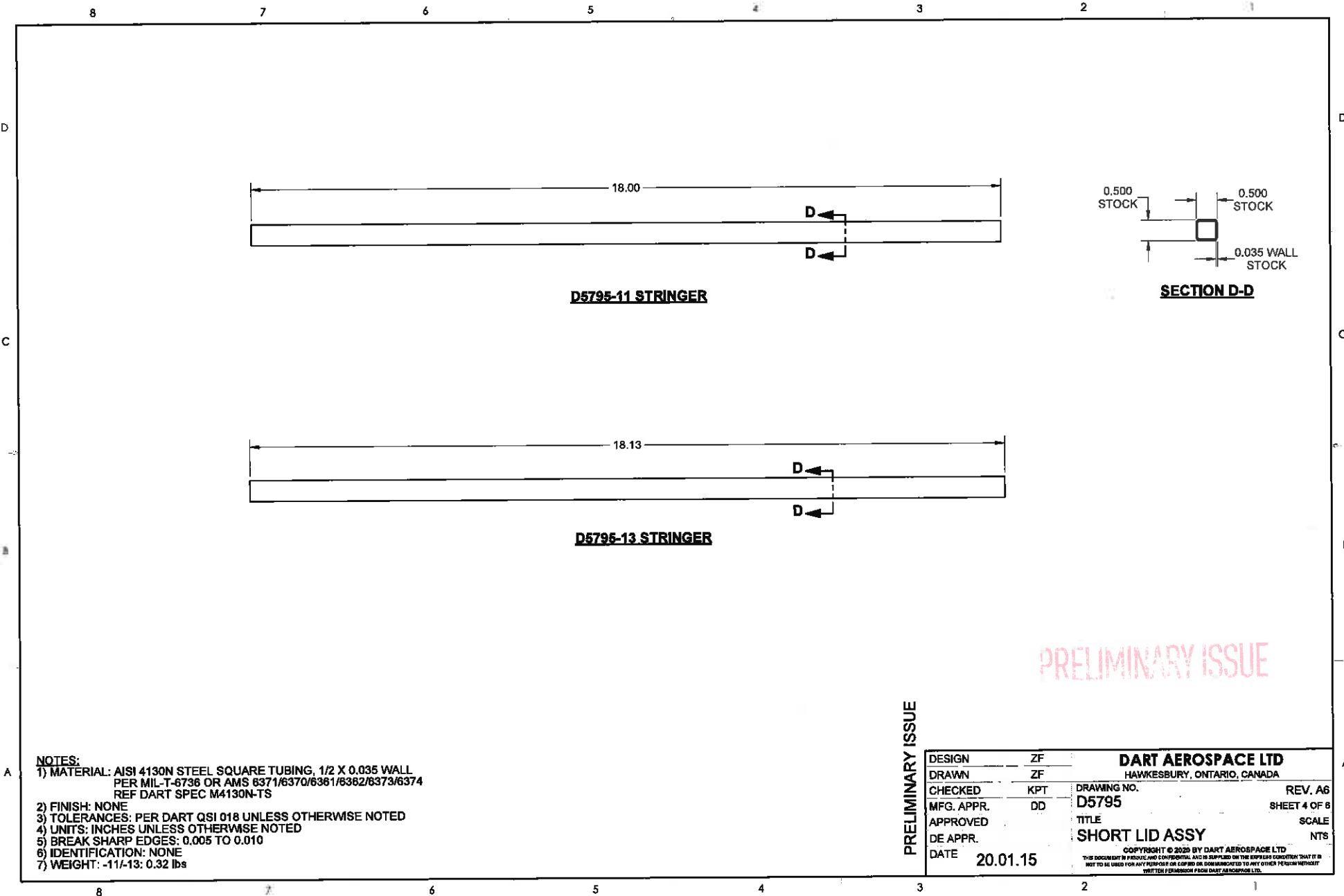


**D5795-7 RIB**

- NOTES:**
- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 3/4 X 0.035 WALL  
PER MIL-T-6736 OR AMS 8371/6370/6361/6362/6373/6374  
REF DART SPEC M4130N-TS
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: -3/-5: 1.55 lbs  
-7: 0.58 lbs

PRELIMINARY ISSUE

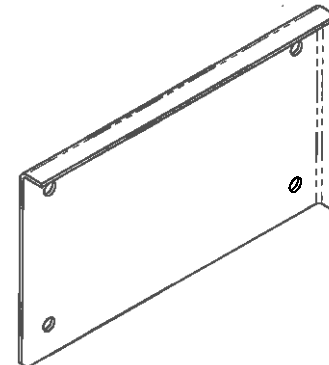
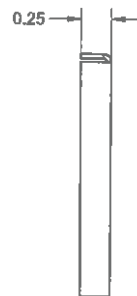
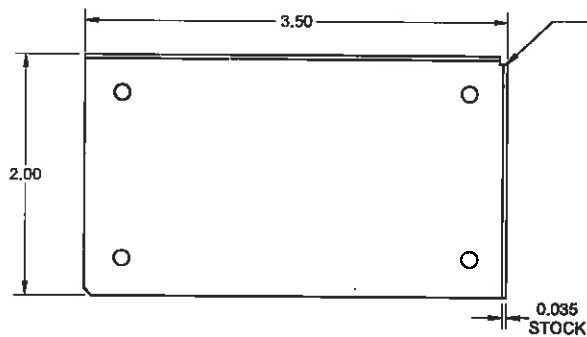
DESIGN	ZF	<b>DART AEROSPACE LTD</b>	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A8
MFG. APPR.	DD	<b>D5795</b>	SHEET 3 OF 8
APPROVED		TITLE	SCALE
DE APPR.		<b>SHORT LID ASSY</b>	NTS
DATE	20.01.15	COPYRIGHT © 2020 BY DART AEROSPACE LTD	
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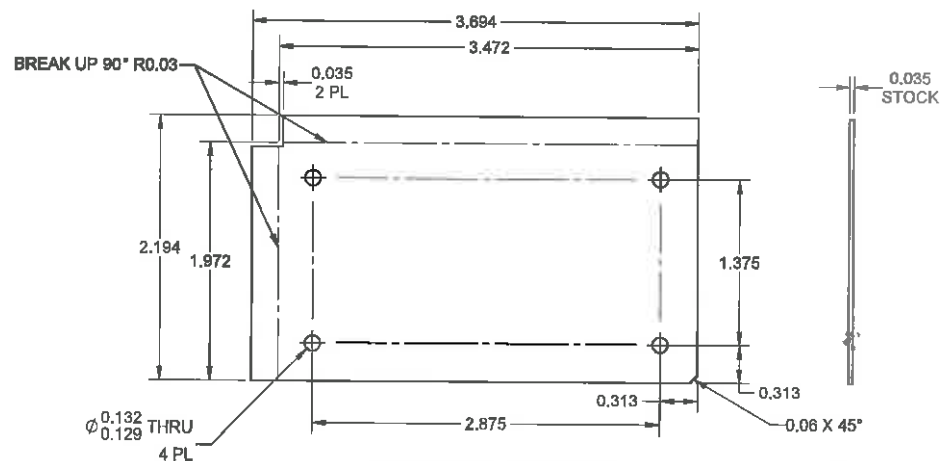
**NOTES:**  
 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 1/2 X 0.035 WALL  
 PER MIL-T-6736 OR AMS 6371/6370/6361/6362/6373/6374  
 REF DART SPEC M4130N-TS  
 2) FINISH: NONE  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: 0.005 TO 0.010  
 6) IDENTIFICATION: NONE  
 7) WEIGHT: -11/-13: 0.32 lbs

PRELIMINARY ISSUE

DESIGN	ZF	<b>DART AEROSPACE LTD</b>	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A6
MFG. APPR.	DD	<b>D5795</b>	SHEET 4 OF 8
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**D5795-15 PLACARD BRACKET**  
(DERIVED FROM AERO DESIGN P/N 36204-10)  
(MAKE FROM D5795-15F)



**D5795-15F FLAT PATTERN**

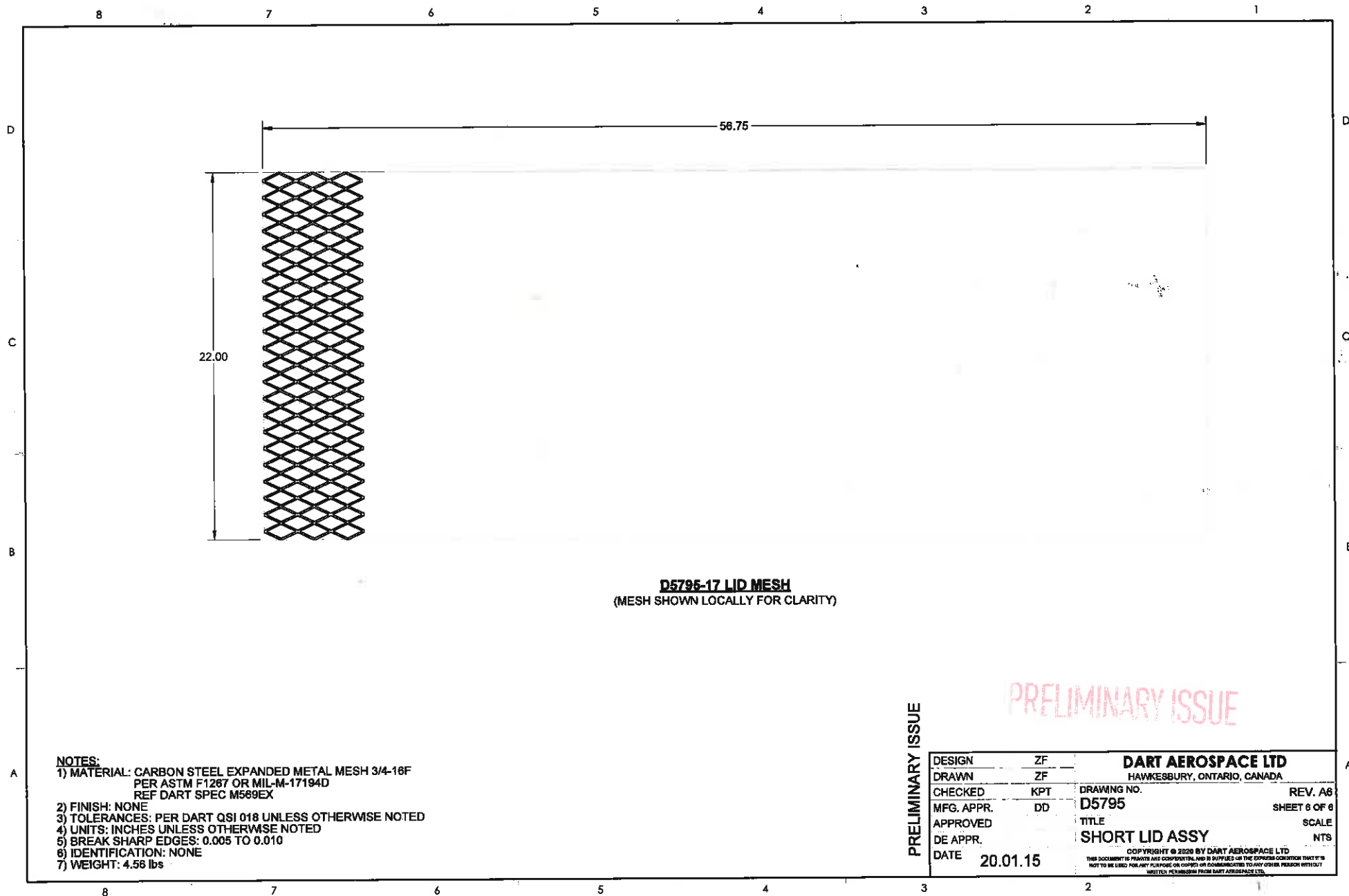
**NOTES:**

- 1) MATERIAL: AISI 1010/1025 STEEL SHEET, COLD ROLLED, #20GA (0.035 THICK)  
PER ASTM A38/A368/A568/A1008 OR CSA G40-21 38W/44W/50W/60W/70W  
REF DART SPEC M1010-S
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.08 lbs

PRELIMINARY ISSUE

PRELIMINARY ISSUE

DESIGN	ZF	<b>DART AEROSPACE LTD</b>	
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MFG. APPR.	DD	<b>D5795</b>	SHEET 5 OF 6
APPROVED		TITLE	SCALE
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**NOTES:**

- 1) MATERIAL: CARBON STEEL EXPANDED METAL MESH 3/4-16F  
PER ASTM F1267 OR MIL-M-17194D  
REF DART SPEC M569EX
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 4.56 lbs

PRELIMINARY ISSUE

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	KPT	DRAWING NO. <b>D5795</b>	REV. A6
MFG. APPR.	DD	TITLE <b>SHORT LID ASSY</b>	SHEET 6 OF 6
APPROVED			SCALE
DE APPR.			NTS
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1/16/2020

## PURCHASE ORDER



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB045594



**Supplier:** FAC001-VU  
Factory Steel  
14020 Oakland Ave.  
Detroit, MI 48203 USA  
Phone: 313 883 6300  
Fax: 313 883 4883

PO No: POHB045594

PO Date: 1/16/20

Due Date: 2/4/20

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

JAN 16 2020

## Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		M4130NTS1.000W.065			4130 Square Tube 0.750 X 0.035W MATERIAL: AISI 4130N STEEL SQUARE TUBING PER ONE OF THE FOLLOWING SPEC'S: MIL-T-6736, AMS 6371, 6390, 6361, 6362, 6373 OR 6374	Firmed		2/4/20	600 ft	0 ft	600 ft	\$7.25/ft	\$4,350.00
2		M4130NTS1.000W.065			4130 Square Tube 1.000" X 1.000" X 0.065"W MATERIAL: AISI 4130N STEEL SQUARE TUBING PER ONE OF THE FOLLOWING SPEC'S: MIL-T-6736, AMS 6371, 6390, 6361, 6362, 6373 OR 6374	Firmed		2/4/20	160 ft	0 ft	160 ft	\$11.70/ft	\$1,872.00
												Grand Total: \$6,222.00	

Plex 1/16/20 11:38 AM Dart.Lavola.Chantal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER**  
**POHB045594**



**Order Notes**

**Procurement Quality Clauses**

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 1/16/20 11:38 AM Dart.Lavoie.Chantal

# PACKING LIST

No. 67371

PG 1 OF 1

FACTORY STEEL & METAL SUPPLY 14020 OAKLAND AVENUE DETROIT, MI 48203  (313)883-6300 PHONE (313)883-4883 FAX	<del>CUSTOMER #</del> POHB045594		BUYER CHANTEL LAVOIE Tel (613) 632-3336 Fax (613) 632-4443	SHIP DATE 01/21/2020
	CUSTOMER JOB			SHIP VIA ****TRUCK****
SOLD TO DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7	SALES ORDER 60306	ORDER DATE 01/16/2020	SALES REP MICK HALON	RESALE # 59-2958719
	SHIP TO DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7		SHIP INST CALL WHEN READY	CARRIER TRUCK
			PRO#	BLIND Y/N N
			TERMS NET 30 DAYS	FOB DETROIT

LINE	QUANTITY	DESCRIPTION	WIDTH	LENGTH	WEIGHT
1	609.917 FT	4130N CD SMLSS SQ TUBE 3/4" X .035W  Tag Mill Ref # Heat 153513 023679 616506	Pcs Length 26 20'/24' RL	20'/24' RL  Feet 609.917	207.554  Weight 207.554
2	171.333 FT	4130N CD SMLSS SQ TUBE 1" X .065W  Tag Mill Ref # Heat 153514 072143 072067859	Pcs Length 7 22'/23' RL	22'/23' RL  Feet 171.333	141.606  Weight 141.606
3	1 PCS	PACKING CHARGES  NTRS (CIRCLE) FAX SHIPMENT INVOICE ALL  DATE: _____ INITIAL: _____			

TOTAL WT 349 LBS									
RECEIVED BY - SIGNATURE			RECEIVED BY - PRINTED NAME			DATE RECEIVED			

M4130NTS 0.750W.035

616506



DESIGN DH	DRAWN BY DH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED DH	APPROVED DH	DRAWING NO. M4130N-TS	REV. A SHEET 1 OF 1
DATE 05.02.09		TITLE 4130N SQUARE TUBING	SCALE NTS
A	05.02.09	NEW ISSUE	

PURCHASE MATERIAL:

AISI 4130N STEEL SQUARE TUBING PER ONE OF  
THE FOLLOWING SPEC'S: MIL-T-6736, AMS 6371,  
6360, 6361, 6362, 6373 OR 6374

DAS  
82  
9-89

PART NUMBER:

M4130N-TS | A.AAA | W | .TTT |

WHERE A.AAA = WIDTH IN INCHES  
TTT = WALL THICKNESS IN INCHES

EXAMPLE: 0.50" X 0.035" WALL = M4130N-TS0.500W.035

05.02.09

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**PLYMOUTH TUBE CO.**

1200 E. 12th Street, St. Clair, MI 48089  
Phone: (810) 674-1515 Fax: (810) 674-1425

TRUST YOUR SOURCE ACCEPTED SUPPLIERS



# PRODUCT CERTIFICATION

SALES ORDER - LINE / RLS

175626 - 1 / 0

## SHIP TO

Factory Steel & Metal Supply C  
14020 Oakland Avenue  
Detroit, MI 48203  
USA

WORK ORDER 022479

PCS/HEAT 0

HEAT NUMBER 616506

MELT SOURCE Benetel Steel & Tube-Germany

CUSTOMER P.O. 3887	CUSTOMER PART SQ-N34035	QUANTITY	LADING NO	CERT ID / REV /	CERT DATE								
<b>PART DESCRIPTION</b> SHSQ0750035J300 ***** Square OD ***** Side1: 0.7500 Max:0.7600 Min:0.7400 Side2: 0.7500 Max:0.7600 Min:0.7400 Wall: 0.0350 Max:0.0380 Min:0.0320 Length: 10.7026.00 Spec: <b>DAS</b> Grade: 4130 <b>82</b> Anneal: Cond N <b>9-89</b>													
<b>CERTIFICATION REQUIREMENTS</b> FAR BAA (FAR 52.225-1 Buy America Act Supplies), DFARS 252.225-7001 Buy America Act & Bal. of Payments Program FAR TAA (FAR 52.225-5 Trade Agreements) (Paragraph 1, 4.5) This material was Eddy Current tested and conforms to the requirements of ASTM A-450. The Grain size is determined and reported by the raw material supplier in accordance to ASTM E-112. This raw material was magnetic particle inspected by the raw material supplier in accordance to AMS 2640J and/or ASTM E-1444, and rated as Frequency, and Severity to AMS 2301, latest revision. Yield is determined by using the 0.2% offset method. Additional Specifications: - AMS-T 6736B, 6380P & 6371L. Material produced in accordance to ASTM A-519-17 and MIL-T 6736B. This material meets Plymouth's Proprietary specifications. Jominy results: J(5/16")=45 J(8/16")=38													
<b>Chemical Analysis</b>													
C	Mn	P	S	Si	Al	Cr	Mo	Ni	Tb	Cu	V	Ti	Sn
.310	.55	.011	.002	.230	.036	.87	.18	.12	.001	.16	.002	.002	.010
<b>Physical Properties</b>													
Freq.	Severity	Grain Size											
.020	.015	9											
<b>Mechanical Properties</b>													
<b>TEST</b>	<b>UNITS</b>	<b>#TESTS</b>	<b>HIGH</b>	<b>LOW</b>	<b>AVERAGE</b>	<b>STD-DEV</b>							
Tensile	Psi	6	126660	125480	126065	482							
Yield	Psi	6	120930	119880	120387	374							
Elongation	%	6	21	20	20	1							
Rockwell C	Rc	6	25	25	25	0							
<b>TEST</b>	<b>RESULT</b>												
Decarb/OD	Pass												
Total ID/OD decarb	Pass												

I certify that the results are a true and correct copy of the records prepared and maintained by Plymouth Tube Company, Streater in compliance with the requirements of the cited specification. Chemistry is as reported by the Steel supplier. This test report cannot be reproduced or distributed except in full without the written permission of Plymouth Tube.

*Janis A. Russell*  
Quality Assurance



**PLYMOUTH TUBE CO.**

1200 E. 12th Street, Detroit, MI 48203  
Phone: (313) 972-1316 Fax: (313) 972-4312

TRUST YOUR CHOICE. ACCEPT NO OTHERS.



# PRODUCT CERTIFICATION

SALES ORDER - LINE / RLS

175628 - 1 / 0

WORK ORDER 023679

PCS/HEAT 0

HEAT NUMBER 616506

MELT SOURCE Böhler Steel & Tube-Germany

## SHIP TO

Factory Steel & Metal Supply C  
14020 Oakland Avenue  
Detroit, MI 48203  
USA

CUSTOMER P.O. 3887	CUSTOMER PART SQ-N34035	QUANTITY	LOADING NO	CERT ID / REV /	CERT DATE
PART DESCRIPTION SHSQ0750035J300					
Additional Specification(s)					
<u>TEST</u> Brinell	<u>UNITS</u> Brinell	<u>TESTS</u> 6	<u>HIGH</u> 253	<u>LOW</u> 253	<u>AVERAGE</u> 253
<u>STD-DEV</u> 0					
<p>This test report data is for the heat Chemistry Listed above.</p> <p>The material in this test report is:</p> <ol style="list-style-type: none"> <li>1) Drawn in the USA</li> <li>2) Free from Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Mercury contamination.</li> <li>3) NAFTA compliant.</li> </ol> <p>End of Certification</p>					

I certify that the results are a true and correct copy of the records prepared and maintained by Plymouth Tube Company, created in compliance with the requirements of the cited specification. Chemistry is as reported by the Steel supplier. This test report cannot be reproduced or distributed except in full without the written permission of Plymouth Tube.

*Janice B. Smith*  
Quality Assurance

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130NTS 0.750W.035 PO / BATCH NO.: POMB045594  
 DATE: JAN 27 2020 5250794

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 609 Pk  
 QUANTITY INSPECTED: 609 Pk  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750W.035  
 THICKNESS RECEIVED: .750W.035  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> N	MIL-T-6736
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	616506
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

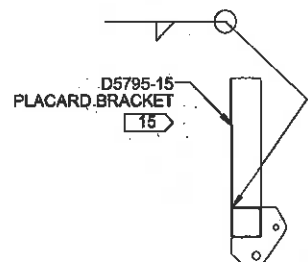
Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	DAS	SIGNED OFF BY: _____	
DATE: <u>JAN 27 2020</u>	<u>82</u> 0.89	DATE: _____	

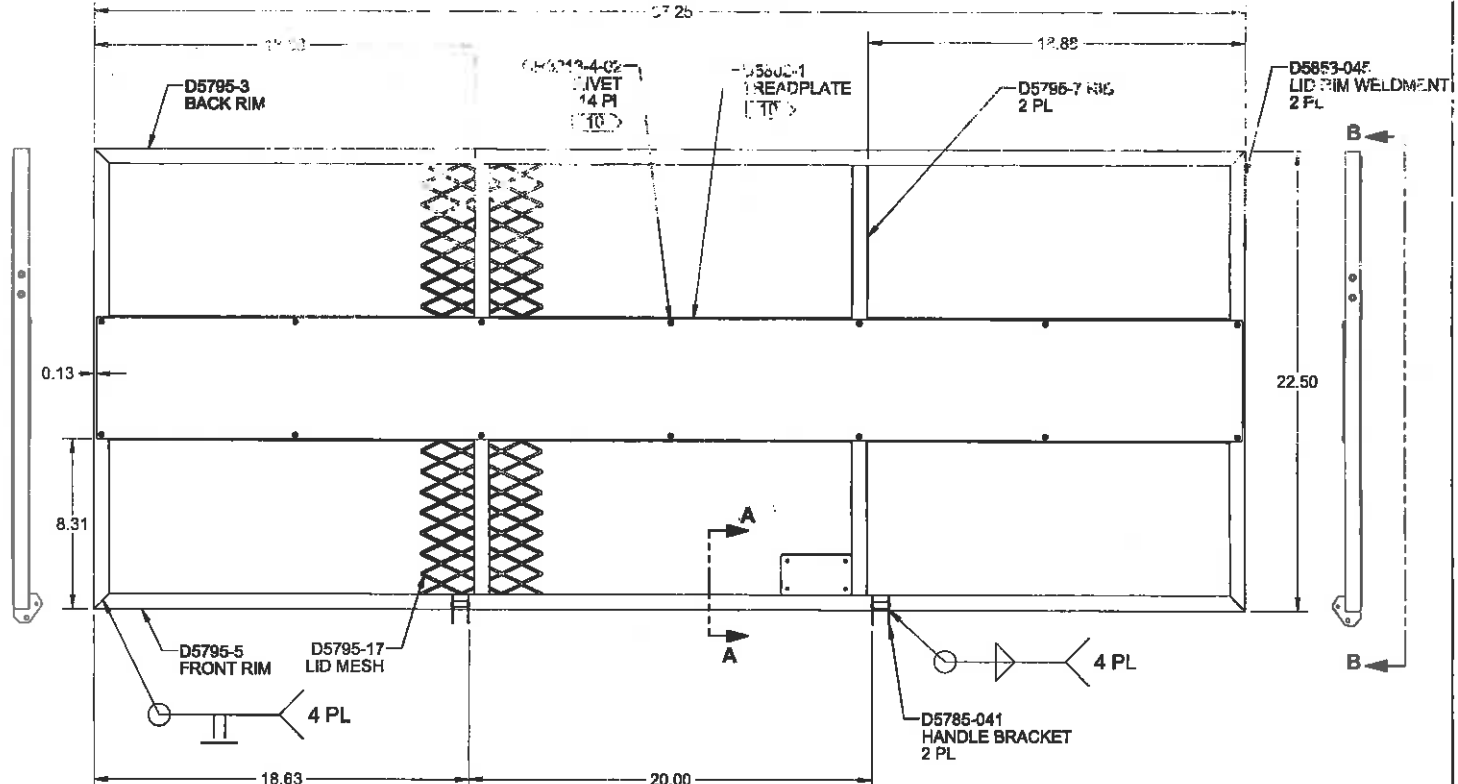
Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



QTY -041	P/N	DESCRIPTION
X	D5795-041	SHORT LID ASSY
2	D5785-041	HANDLE BRACKET
1	D5795-3	BACK RIM
1	D5795-5	FRONT RIM
2	D5795-7	RIB
2	D5795-11	STRINGER
4	D5795-13	STRINGER
1	D5795-15	PLACARD BRACKET
1	D5795-17	LID MESH
1	D5802-1	TREADPLATE
2	D5853-045	LID RIM WELDMENT
14	CR3213-4-02	RIVET



**SECTION A-A**  
SCALE 2X



**D5795-041 SHORT LID ASSY**  
(DERIVED FROM AERO DESIGN P/N 77612-01)  
(MESH SHOWN LOCALLY FOR CLARITY)

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "WHITE" (4.3.5.1) PER DART QSI 005 4.3.
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
- 7) WEIGHT: 14.14 lbs
- 8) WELD PER DART QSI 004. IT IS PERMISSIBLE TO BUFF OR GRIND TO CLEAN UP WELDS
- 9) DRILL #30 (Ø0.129) VENT HOLES AS REQUIRED. FILL ALL EXPOSED VENT HOLES WITH ROSETTE WELD PRIOR TO FINISH.
- 10) INSTALL TREADPLATE AFTER FINISH. TRANSFER MARK AND DRILL HOLES Ø0.129 +0.003 / -0.000 FROM TREADPLATE TO LID. FAY SEAL TO SURFACES BETWEEN LID AND TREADPLATE WITH RTV SILICONE. SECURE TREADPLATE WITH RIVETS.
- 11) WELD EVERY MESH INTERSECTION ALONG RIM.
- 12) FOR EACH RIB, WELD FIRST 5 MESH INTERSECTIONS DOWN EACH END, THEN EVERY 2ND MESH INTERSECTION MINIMUM.
- 13) FOR EACH STRINGER, WELD EVERY 2ND MESH INTERSECTION MINIMUM.
- 14) ALIGN STRINGERS TO TOP OF LID.
- 15) LOCATE D5795-15 PLACARD BRACKET FLUSH WITH BOTTOM OF LID. TRIM MESH TO CLEAR BRACKET LEAVING 0.25 OVERLAP. WELD MESH TO BRACKET.

**RELEASED**

2020 FEB 18 NP  
ECN 2020-521

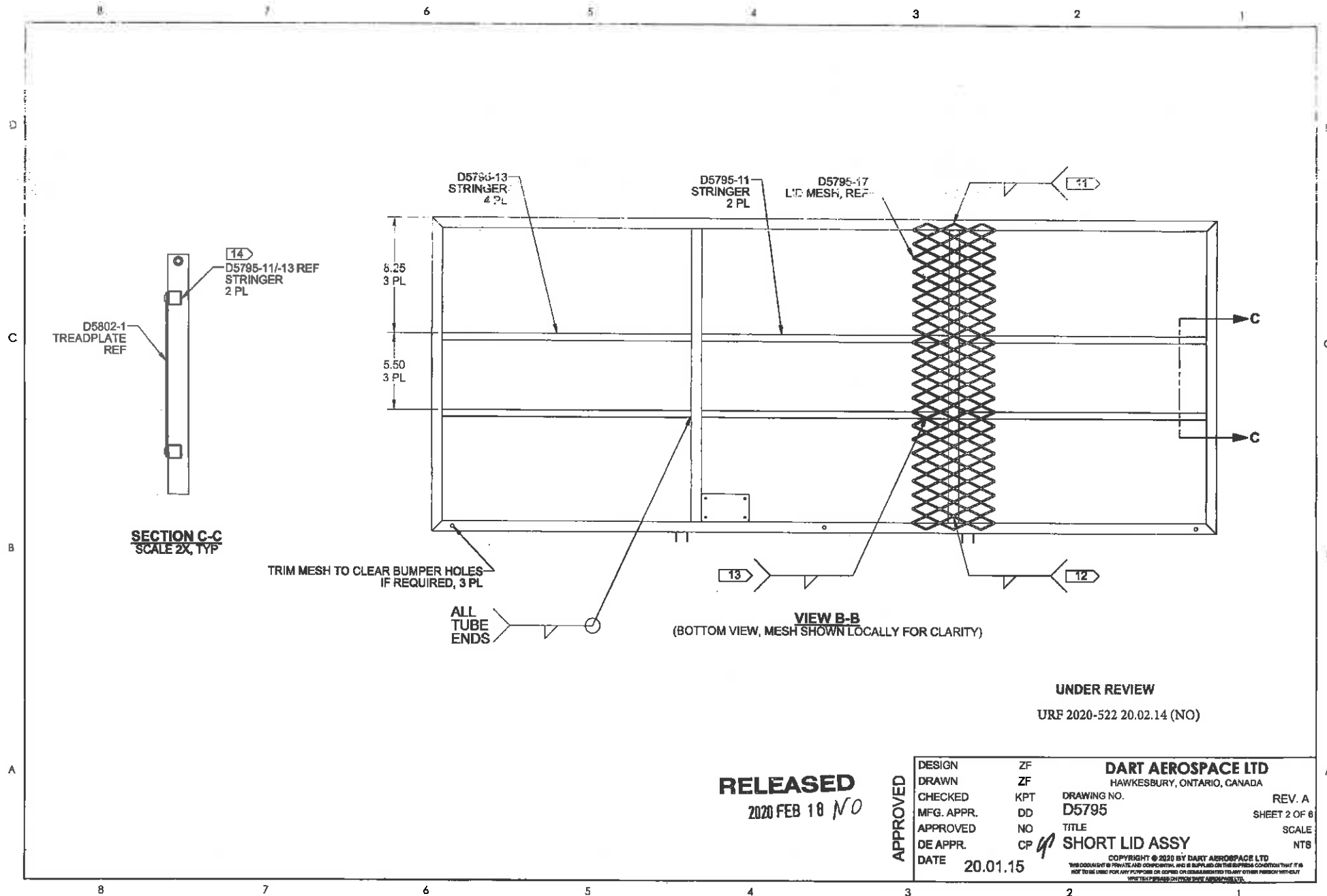
UNDER REVIEW  
URF 2020-522 20.02.14 (NO)

APPROVED

A NEW ISSUE		ZF 20.01.15	
REV.	DESCRIPTION	BY	DATE
DESIGN	ZF		
DRAWN	ZF		
CHECKED	KPT		
MFG. APPR.	DD		
APPROVED	NO		
DE APPR.	CP		
DATE	20.01.15		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D5795**  
TITLE **SHORT LID ASSY**  
REV. A  
SHEET 1 OF 8  
SCALE  
NTS  
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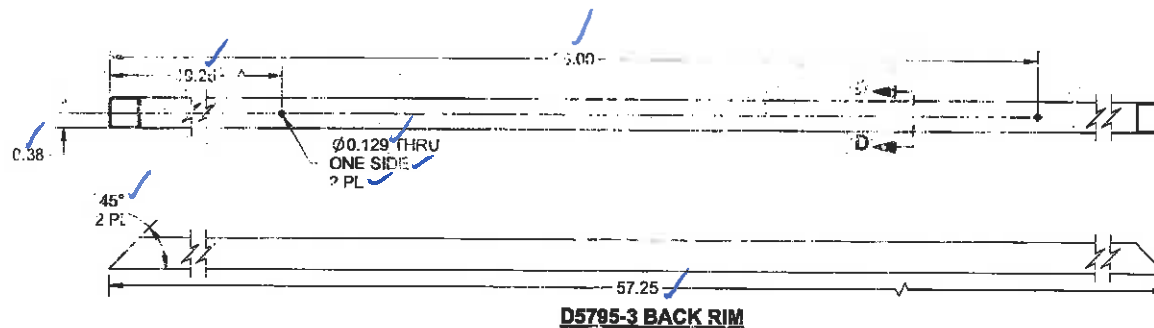
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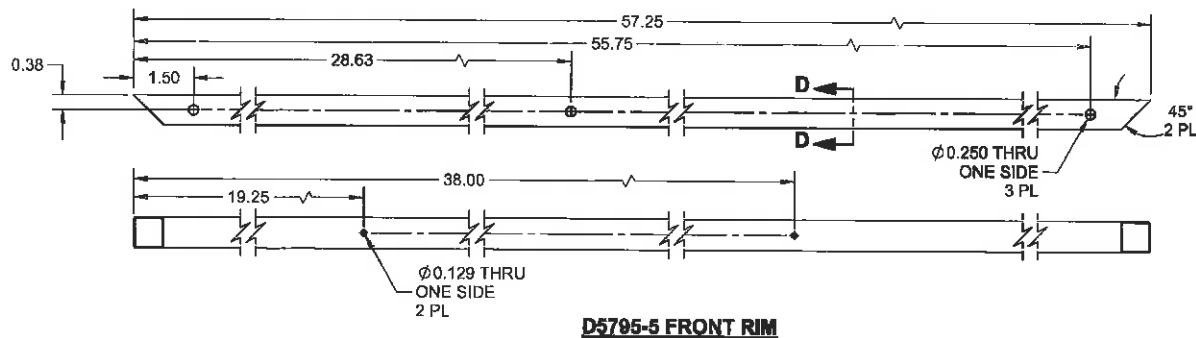
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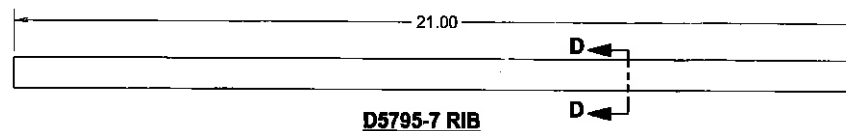
SECTION D-D

C



D5795-5 FRONT RIM

B



D5795-7 RIB

## NOTES:

- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 3/4 X 0.035 WALL  
PER MIL-T-8736 OR AMS 6371/6360/6361/6362/6373/6374  
REF DART SPEC M4130N-TS0.750W.035
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -3/-5: 1.55 lbs  
-7: 0.58 lbs

UNDER REVIEW

URF 2020-522 20.02.14 (NO)

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2020 FEB 18 NO

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DESIGN ZF  
DRAWN ZF  
CHECKED KPT  
MFG. APPR. DD  
APPROVED NO  
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DATE 20.01.15

DART AEROSPACE LTD  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

D5795

TITLE

SHORT LID ASSY

REV. A

SHEET 3 OF 8

SCALE

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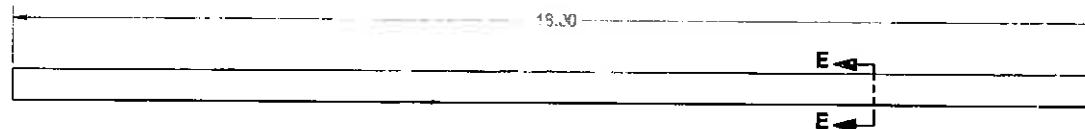
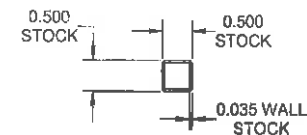
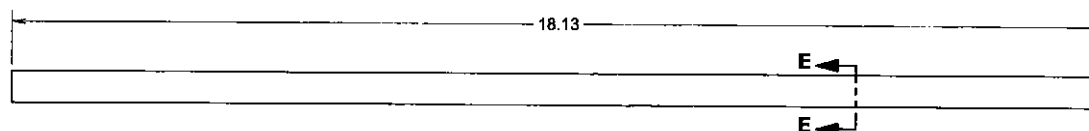
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**D5795-11 STRINGER****SECTION E-E****D5795-13 STRINGER**

UNDER REVIEW

URF 2020-522 20.02.14 (NO)

**NOTES:**

- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 1/2 X 0.035 WALL  
PER MIL-T-6736 OR AMS 6371/6360/6361/6362/6373/6374  
REF DART SPEC M4130N-TS0.500W.035
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -11/-13: 0.32 lbs

**RELEASED**  
2020 FEB 18 NO

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b>	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A
MFG. APPR.	DD	<b>D5796</b>	SHEET 4 OF 6
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>SHORT LID ASSY</b>	NTS
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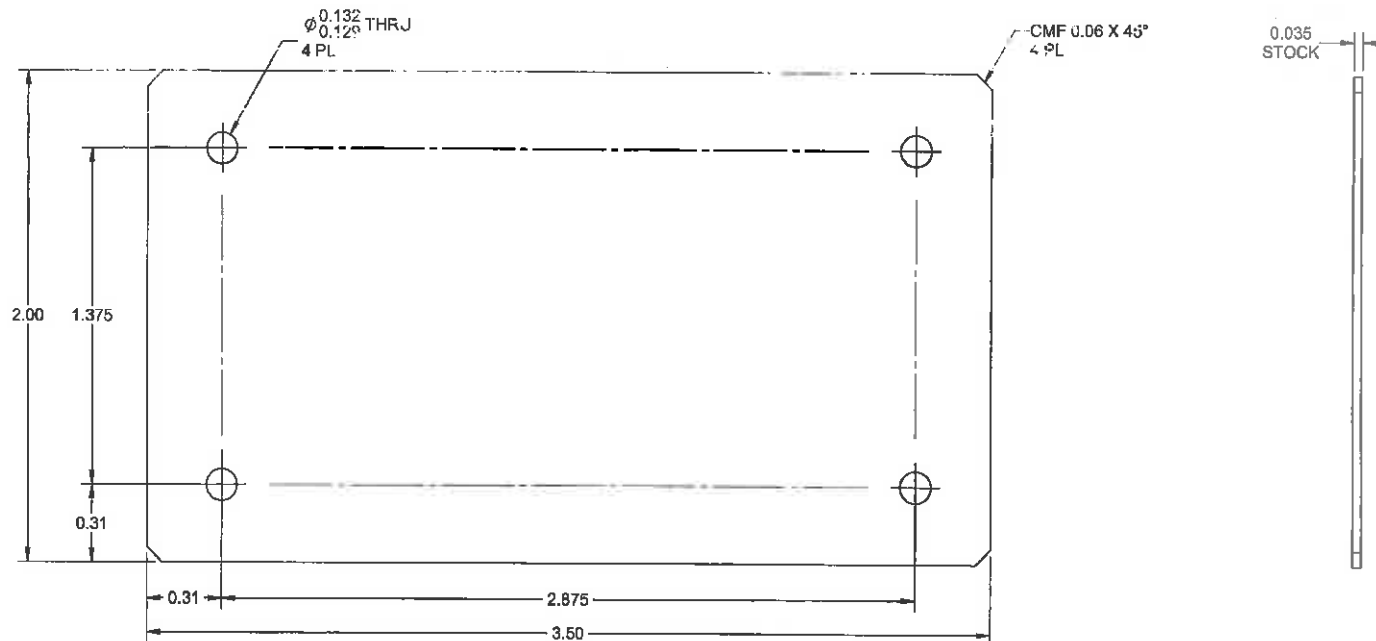
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**D5795-15 PLACARD BRACKET**  
(DERIVED FROM AERO DESIGN P/N 36204-10)

UNDER REVIEW

URF 2020-522 20.02.14 (NO)

**NOTES:**

- 1) MATERIAL: AISI 1010/1025 STEEL SHEET, COLD ROLLED, #20GA (0.035 THICK)  
PER ASTM A36/A366/A1008 OR CSA G40-21 38W/44W/50W/60W/70W  
REF DART SPEC M1010-S20GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 016 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.07 lbs

**RELEASED**

2020 FEB 18 *NO*

APPROVED

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MFG. APPR. DD  
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**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

**D5795**

TITLE

**SHORT LID ASSY**

REV. A

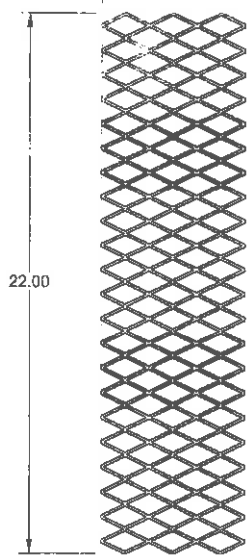
SHEET 5 OF 6

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8 7 6 5 4 3 2 1



**D5795-17 LID MESH**  
(MESH SHOWN LOCALLY FOR CLARITY)

UNDER REVIEW  
URF 2020-522 20.02.14 (NO)

- NOTES:**  
1) MATERIAL: CARBON STEEL EXPANDED METAL MESH 3/4-16F  
PER ASTM F1267 OR MIL-M-17194D  
REF DART SPEC M569EX0.75-16F  
2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: N/A  
6) IDENTIFICATION: NONE  
7) WEIGHT: 4.58 lbs

**RELEASED**  
2020 FEB 18 *NO*

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	DRAWING NO. <b>D5795</b>	REV. A
DRAWN	ZF			
CHECKED	KPT			
MF.G. APPR.	DD			
APPROVED	NO			
DE APPR.	CP	TITLE <b>41 SHORT LID ASSY</b>		
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**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

Date: 2020.02.14	Job No.: Aero2019	ADR Yea/No: N	ADR Date:	ECN #: 2020 521
Product No.: D350-1080 baskets		Created By: NO	Approved By: <i>AD</i>	
Product Name: Quick Release Cargo Baskets		Checked By:		

**Reason for Change:**  
D350-1080 Baskets Limited Release #1

**Documents Released:**  
D5785 at Rev A, D5795 at Rev A, D5794 at Rev A, D5770 at Rev A, D5815 at Rev A, M304 TS at Rev E, M3003H22TP at Rev A, D5806 at Rev A, M302SW at Rev B  
D5759 at Rev A, D5805 at Rev A, D5803 at Rev A, D5853 at Rev A, D5765 at Rev A, D5760 at Rev A, D5761 at Rev A, D5802 at Rev A, D5808 at Rev A, D5810 at Rev A.

**IF APPLICABLE: NCR: \_\_\_\_\_ PAR: \_\_\_\_\_ CAR: \_\_\_\_\_ CIR: \_\_\_\_\_ URF: 2020-522**

**PAPERWORK UPDATE** ☒ **PARTS MUST COMPLY** ☐ **PREVIOUS PARTS SATISFACTORY** ☒

#	Quality Assurance / Customer Support Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Airbus	N			
3	Notify Leonardo	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	NO	ALL RELEASED PARTS PLACED UNDER REVIEW	<i>met 20.02.18</i>
6	Update Master Document List (MDL)	N		NO MDL/STC FOR THESE PARTS AT THIS TIME	
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	MG		<i>met 20.02.18</i>
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	MG		<i>met 20.02.18</i>
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	MG		<i>met 20.02.18</i>
17	Update / Verify Authorized Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	N		NO TOP LEVELS AT THIS RELEASE	
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Opulse) Database	Y	MG	<i>No dwgs at suppliers</i>	<i>met 20.02.18</i>
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	MG		<i>met 20.02.18</i>
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

**Description / Action:**  
Releasing first batch of D350-1080 basket drawing updates for production under Limited Release per QSI 040.  
Place all parts under review, Engineering to sign off work orders for on risk production  
No STC for these parts at this time  
No nine digit BOMS/ROUTES/CHG#S for this release  
Previous Parts Satisfactory for M Drawing updates. M Drawings not under Review

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_